

# Analytical and Quality Control Report

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Report Date: May 27, 2008

Work Order: 8033103



Project Name: HELSTF GROUNDWATER  
Project Number: 65

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
155080	HLSF-0085-HMW-010-0308	water	2008-03-27	13:42	2008-03-27
155082	HLSF-0085-HMW-014-0308	water	2008-03-27	10:45	2008-03-27
155408	HLSF-0085-HMW-054-0308	water	2008-03-31	14:05	2008-03-31
155410	HLSF-0085-HMW-055-0308	water	2008-03-31	12:18	2008-04-02
155638	HLSF-0085-D RW-008-0408	water	2008-04-01	13:50	2008-04-01
155749	HLSF-0085-D RW-017-0408	water	2008-04-02	10:12	2008-04-02
155751	HLSF-0085-D RW-016-0408	water	2008-04-02	13:04	2008-04-02
155888	HLSF-0085-HMW-058-0408	water	2008-04-04	10:45	2008-04-04
155890	HLSF-0085-HMW-063-0408	water	2008-04-04	13:15	2008-04-04
155892	HLSF-0085-HMW-043-0408	water	2008-04-03	13:55	2008-04-03
155894	HLSF-0085-HMW-062-0408	water	2008-04-03	12:20	2008-04-04
156084	HLSF-0085-HMW-053-0408	water	2008-04-07	13:48	2008-04-07
156559	HLSF-0085-HMW-060-0408	water	2008-04-09	15:00	2008-04-09
156689	HLSF-0085-HMW-057-0408	water	2008-04-10	10:45	2008-04-10
156691	HLSF-0085-HMW-059-0408	water	2008-04-10	13:00	2008-04-10
156916	HLSF-0085-HMW-033-0408	water	2008-04-14	14:25	2008-04-14
157035	HLSF-0085-HMW-034-0408	water	2008-04-15	14:05	2008-04-15
157205	HLSF-0085-HMW-008-0408	water	2008-04-16	09:32	2008-04-16
157484	HLSF-0085-HMW-061-0408	water	2008-04-17	14:35	2008-04-17
157486	HLSF-0085-D RW-114-0408	water	2008-04-18	11:45	2008-04-18
157507	HLSF-0085-D-RW-014-0408	water	2008-04-18	11:45	2008-04-18
157621	HLSF-0085-D RW-002-0408	water	2008-04-21	12:27	2008-04-21
157765	HLSF-0085-HCF-003-0408	water	2008-04-22	11:25	2008-04-22
157767	HLSF-0085-HCF-103-0408	water	2008-04-22	11:25	2008-04-22

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 33 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



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Dr. Blair Leftwich, Director

**Certifications**

Lubbock - NELAP T104704219-08-TX  
El Paso - NELAP T104704221-08-TX

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project HELSTF GROUNDWATER, HELSTF GROUNDWATER and HELSTF GROUNDWATER were received by TraceAnalysis, Inc. on 2008-03-27, 2008-03-27, 2008-03-31, 2008-04-02, 2008-04-01, 2008-04-02, 2008-04-02, 2008-04-04, 2008-04-03, 2008-04-04, 2008-04-07, 2008-04-09, 2008-04-10, 2008-04-10, 2008-04-14, 2008-04-15, 2008-04-16, 2008-04-17, 2008-04-18, 2008-04-21, 2008-04-22 and 2008-04-22 and assigned to work orders 8033103, 8033104, 8040204, 8040205, 8040329, 8040416, 8040417, 8040707, 8040708, 8040709, 8040710, 8040909, 8041118, 8041409, 8041410, 8041616, 8041710, 8041822, 8042122, 8042123, 8042129, 8042308, 8042422 and 8042423 respectively. Samples for work order 8033103 were received intact at a temperature of 4.0 deg C. Samples for work order 8033104 were received intact at a temperature of 4.0 deg C. Samples for work order 8040204 were received intact at a temperature of 4.0 dec C. Samples for work order 8040205 were received intact at a temperature of 4.0 dec C. Samples for work order 8040329 were received intact at a temperature of 4.0 dec C. Samples for work order 8040416 were received intact at a temperature of 4.0 deg C. Samples for work order 8040417 were received intact at a temperature of 4 deg C. Samples for work order 8040707 were received intact at a temperature of 4 deg C. Samples for work order 8040708 were received intact at a temperature of 4.0 dec C. Samples for work order 8040709 were received intact at a temperature of 4 deg C. Samples for work order 8040710 were received intact at a temperature of 4.0 deg C. Samples for work order 8040909 were received intact at a temperature of 4.0 dec C. Samples for work order 8041118 were received intact at a temperature of 4 deg C. Samples for work order 8041409 were received intact at a temperature of 4 deg C. Samples for work order 8041410 were received intact at a temperature of 4.0 deg C. Samples for work order 8041616 were received intact at a temperature of 4 deg C. Samples for work order 8041710 were received intact at a temperature of 4.0 deg C. Samples for work order 8041822 were received intact at a temperature of 4.0 deg C. Samples for work order 8042122 were received intact without headspace and at a temperature of 4.0 deg C. Samples for work order 8042123 were received intact without headspace and at a temperature of 4 deg C. Samples for work order 8042129 were received intact at a temperature of 4.0 deg C. Samples for work order 8042308 were received intact without headspace and at a temperature of 4 deg C. Samples for work order 8042422 were received intact at a temperature of 4.0 deg C. Samples for work order 8042423 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Explosives (8330)	S 8330-C18

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 8033103, 8033104, 8040204, 8040205, 8040329, 8040416, 8040417, 8040707, 8040708, 8040709, 8040710, 8040909, 8041118, 8041409, 8041410, 8041616, 8041710, 8041822, 8042122, 8042123, 8042129, 8042308, 8042422 and 8042423 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

## Analytical Report

Sample: 155080 - HLSF-0085-HMW-010-0308

Laboratory:	Lubbock	Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	48358			Date Analyzed:	2008-05-13	Analyzed By:	DS
Prep Batch:	41586			Sample Preparation:	2008-04-03	Prepared By:	DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.09	µg/L	1	2.50	44	19.8 - 160

Sample: 155082 - HLSF-0085-HMW-014-0308

Laboratory:	Lubbock	Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	48358			Date Analyzed:	2008-05-13	Analyzed By:	DS
Prep Batch:	41586			Sample Preparation:	2008-04-03	Prepared By:	DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500

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*sample 155082 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL		
2-NT		<0.500	µg/L	1	0.500		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.22	µg/L	1	2.50	49	19.8 - 160

#### Sample: 155408 - HLSF-0085-HMW-054-0308

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-13	Analyzed By:	DS
QC Batch:	48358	Sample Preparation:	2008-04-03	Prepared By:	DS
Prep Batch:	41586				

Parameter	Flag	Result	Units	Dilution	RL		
HMX		<0.500	µg/L	1	0.500		
RDX		<0.500	µg/L	1	0.500		
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500		
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500		
Tetryl		<0.500	µg/L	1	0.500		
Nitrobenzene		<0.500	µg/L	1	0.500		
TNT		<0.500	µg/L	1	0.500		
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500		
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500		
2-NT		<0.500	µg/L	1	0.500		
3-NT		<0.500	µg/L	1	0.500		
4-NT		<0.500	µg/L	1	0.500		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.36	µg/L	1	2.50	54	19.8 - 160

#### Sample: 155410 - HLSF-0085-HMW-055-0308

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-13	Analyzed By:	DS
QC Batch:	48358	Sample Preparation:	2008-04-03	Prepared By:	DS
Prep Batch:	41586				

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<b>0.603</b>	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.31	µg/L	1	2.50	52	19.8 - 160

**Sample: 155638 - HLSF-0085-D RW-008-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48358      Date Analyzed: 2008-05-13      Analyzed By: DS  
 Prep Batch: 41586      Sample Preparation: 2008-04-03      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.40	µg/L	1	2.50	56	19.8 - 160

**Sample: 155749 - HLSF-0085-D RW-017-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
QC Batch: 48359 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41587 Sample Preparation: 2008-04-09 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.46	µg/L	1	2.50	58	19.8 - 160

**Sample: 155751 - HLSF-0085-D RW-016-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
QC Batch: 48359 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41587 Sample Preparation: 2008-04-09 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500

*continued . . .*

*sample 155751 continued . . .*

Parameter	Flag	Result	RL	Units	Dilution	RL	
4-NT		<0.500	<0.500	µg/L	1	0.500	
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.48	µg/L	1	2.50	59	19.8 - 160

### Sample: 155888 - HLSF-0085-HMW-058-0408

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-13	Analyzed By:	DS
QC Batch:	48359	Sample Preparation:	2008-04-09	Prepared By:	DS
Prep Batch:	41587				

Parameter	Flag	Result	RL	Units	Dilution	RL	
HMX		<0.500	<0.500	µg/L	1	0.500	
RDX		<0.500	<0.500	µg/L	1	0.500	
1,3,5-Trinitrobenzene		<0.500	<0.500	µg/L	1	0.500	
1,3-Dinitrobenzene		<b>0.669</b>	<b>0.669</b>	µg/L	1	0.500	
Tetryl		<b>2.41</b>	<b>2.41</b>	µg/L	1	0.500	
Nitrobenzene		<0.500	<0.500	µg/L	1	0.500	
TNT		<0.500	<0.500	µg/L	1	0.500	
4-amino-DNT / 2-amino-DNT		<0.500	<0.500	µg/L	1	0.500	
2,6-DNT / 2,4-DNT		<0.500	<0.500	µg/L	1	0.500	
2-NT		<0.500	<0.500	µg/L	1	0.500	
3-NT		<0.500	<0.500	µg/L	1	0.500	
4-NT		<0.500	<0.500	µg/L	1	0.500	
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		3.78	µg/L	1	2.50	151	19.8 - 160

### Sample: 155890 - HLSF-0085-HMW-063-0408

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-13	Analyzed By:	DS
QC Batch:	48359	Sample Preparation:	2008-04-09	Prepared By:	DS
Prep Batch:	41587				

*continued . . .*

*sample 155890 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500
Surrogate	Flag	Result	Units	Dilution	Spike Amount
1,2-Dinitrobenzene		1.37	µg/L	1	2.50
					Percent Recovery
					Recovery Limits
					55      19.8 - 160

**Sample: 155892 - HLSF-0085-HMW-043-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48359      Date Analyzed: 2008-05-13      Analyzed By: DS  
 Prep Batch: 41587      Sample Preparation: 2008-04-09      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.68	µg/L	1	2.50	67	19.8 - 160

**Sample: 155894 - HLSF-0085-HMW-062-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
 QC Batch: 48359 Date Analyzed: 2008-05-13 Analyzed By: DS  
 Prep Batch: 41587 Sample Preparation: 2008-04-09 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.43	µg/L	1	2.50	57	19.8 - 160

**Sample: 156084 - HLSF-0085-HMW-053-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
 QC Batch: 48359 Date Analyzed: 2008-05-13 Analyzed By: DS  
 Prep Batch: 41587 Sample Preparation: 2008-04-09 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500

*continued . . .*

*sample 156084 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL		
TNT		<0.500	µg/L	1	0.500		
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500		
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500		
2-NT		<0.500	µg/L	1	0.500		
3-NT		<0.500	µg/L	1	0.500		
4-NT		<0.500	µg/L	1	0.500		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.851	µg/L	1	2.50	34	19.8 - 160

**Sample: 156559 - HLSF-0085-HMW-060-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48360      Date Analyzed: 2008-05-13      Analyzed By: DS  
 Prep Batch: 41588      Sample Preparation: 2008-04-16      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL		
HMX		<0.500	µg/L	1	0.500		
RDX		<0.500	µg/L	1	0.500		
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500		
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500		
Tetryl		<0.500	µg/L	1	0.500		
Nitrobenzene		<0.500	µg/L	1	0.500		
TNT		<0.500	µg/L	1	0.500		
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500		
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500		
2-NT		<0.500	µg/L	1	0.500		
3-NT		<0.500	µg/L	1	0.500		
4-NT		<0.500	µg/L	1	0.500		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.25	µg/L	1	2.50	50	19.8 - 160

**Sample: 156689 - HLSF-0085-HMW-057-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
QC Batch: 48360 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41588 Sample Preparation: 2008-04-16 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.10	µg/L	1	2.50	44	19.8 - 160

**Sample: 156691 - HLSF-0085-HMW-059-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
QC Batch: 48360 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41588 Sample Preparation: 2008-04-16 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500

*continued . . .*

*sample 156691 continued . . .*

Parameter	Flag	Result	RL	Units	Dilution	RL	
4-NT		<0.500	<0.500	µg/L	1	0.500	
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.45	µg/L	1	2.50	58	19.8 - 160

### Sample: 156916 - HLSF-0085-HMW-033-0408

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-13	Analyzed By:	DS
QC Batch:	48360	Sample Preparation:	2008-04-16	Prepared By:	DS
Prep Batch:	41588				

Parameter	Flag	Result	RL	Units	Dilution	RL	
HMX		<0.500	<0.500	µg/L	1	0.500	
RDX		<0.500	<0.500	µg/L	1	0.500	
1,3,5-Trinitrobenzene		<0.500	<0.500	µg/L	1	0.500	
1,3-Dinitrobenzene		<0.500	<0.500	µg/L	1	0.500	
Tetryl		<0.500	<0.500	µg/L	1	0.500	
Nitrobenzene		<0.500	<0.500	µg/L	1	0.500	
TNT		<0.500	<0.500	µg/L	1	0.500	
4-amino-DNT / 2-amino-DNT		<0.500	<0.500	µg/L	1	0.500	
2,6-DNT / 2,4-DNT		<0.500	<0.500	µg/L	1	0.500	
2-NT		<0.500	<0.500	µg/L	1	0.500	
3-NT		<0.500	<0.500	µg/L	1	0.500	
4-NT		<0.500	<0.500	µg/L	1	0.500	
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.13	µg/L	1	2.50	45	19.8 - 160

### Sample: 157035 - HLSF-0085-HMW-034-0408

Laboratory:	Lubbock	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
Analysis:	Explosives (8330)	Date Analyzed:	2008-05-14	Analyzed By:	DS
QC Batch:	48361	Sample Preparation:	2008-04-22	Prepared By:	DS
Prep Batch:	41589				

*continued . . .*

*sample 157035 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.95	µg/L	1	2.50	78	19.8 - 160

**Sample: 157205 - HLSF-0085-HMW-008-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS  
 Prep Batch: 41589      Sample Preparation: 2008-04-22      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.88	µg/L	1	2.50	75	19.8 - 160

**Sample: 157484 - HLSF-0085-HMW-061-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS  
Prep Batch: 41589      Sample Preparation: 2008-04-22      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.89	µg/L	1	2.50	76	19.8 - 160

**Sample: 157486 - HLSF-0085-D RW-114-0408**

Laboratory: Lubbock  
Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS  
Prep Batch: 41589      Sample Preparation: 2008-04-22      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500

*continued . . .*

*sample 157486 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.62	µg/L	1	2.50	65	19.8 - 160

**Sample: 157507 - HLSF-0085-D-RW-014-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS  
 Prep Batch: 41589      Sample Preparation: 2008-04-22      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.12	µg/L	1	2.50	85	19.8 - 160

**Sample: 157621 - HLSF-0085-D RW-002-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
 QC Batch: 48362 Date Analyzed: 2008-05-14 Analyzed By: DS  
 Prep Batch: 41590 Sample Preparation: 2008-04-28 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<5.00	µg/L	10	0.500
RDX		<5.00	µg/L	10	0.500
1,3,5-Trinitrobenzene		<5.00	µg/L	10	0.500
1,3-Dinitrobenzene		<5.00	µg/L	10	0.500
Tetryl		<5.00	µg/L	10	0.500
Nitrobenzene		<b>9.19</b>	µg/L	10	0.500
TNT		<5.00	µg/L	10	0.500
4-amino-DNT / 2-amino-DNT		<5.00	µg/L	10	0.500
2,6-DNT / 2,4-DNT		<5.00	µg/L	10	0.500
2-NT		<5.00	µg/L	10	0.500
3-NT		<5.00	µg/L	10	0.500
4-NT		<5.00	µg/L	10	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.864	µg/L	10	2.50	34	19.8 - 160

**Sample: 157765 - HLSF-0085-HCF-003-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A  
 QC Batch: 48362 Date Analyzed: 2008-05-14 Analyzed By: DS  
 Prep Batch: 41590 Sample Preparation: 2008-04-28 Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<5.00	µg/L	10	0.500
RDX		<5.00	µg/L	10	0.500
1,3,5-Trinitrobenzene		<5.00	µg/L	10	0.500
1,3-Dinitrobenzene		<5.00	µg/L	10	0.500
Tetryl		<b>12.0</b>	µg/L	10	0.500
Nitrobenzene		<5.00	µg/L	10	0.500
TNT		<5.00	µg/L	10	0.500
4-amino-DNT / 2-amino-DNT		<b>18.5</b>	µg/L	10	0.500
2,6-DNT / 2,4-DNT		<b>14.2</b>	µg/L	10	0.500
2-NT		<5.00	µg/L	10	0.500
3-NT		<5.00	µg/L	10	0.500

*continued ...*

*sample 157765 continued . . .*

Parameter	Flag	Result	Units	Dilution	RL		
4-NT		<5.00	µg/L	10	0.500		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene	<sup>1</sup>	68.1	µg/L	10	2.50	2724	19.8 - 160

**Sample: 157767 - HLSF-0085-HCF-103-0408**

Laboratory: Lubbock  
 Analysis: Explosives (8330)      Analytical Method: S 8330-C18      Prep Method: S 3535A  
 QC Batch: 48362      Date Analyzed: 2008-05-14      Analyzed By: DS  
 Prep Batch: 41590      Sample Preparation: 2008-04-28      Prepared By: DS

Parameter	Flag	Result	Units	Dilution	RL
HMX		<10.0	µg/L	20	0.500
RDX		<10.0	µg/L	20	0.500
1,3,5-Trinitrobenzene		<10.0	µg/L	20	0.500
1,3-Dinitrobenzene		<10.0	µg/L	20	0.500
Tetryl		<10.0	µg/L	20	0.500
Nitrobenzene		<10.0	µg/L	20	0.500
TNT		<10.0	µg/L	20	0.500
4-amino-DNT / 2-amino-DNT		<10.0	µg/L	20	0.500
2,6-DNT / 2,4-DNT		<b>51.3</b>	µg/L	20	0.500
2-NT		<10.0	µg/L	20	0.500
3-NT		<10.0	µg/L	20	0.500
4-NT		<10.0	µg/L	20	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.27	µg/L	20	2.50	91	19.8 - 160

**Method Blank (1)**      QC Batch: 48358

QC Batch: 48358      Date Analyzed: 2008-05-13      Analyzed By: DS  
 Prep Batch: 41586      QC Preparation: 2008-04-03      Prepared By: DS

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<sup>1</sup> High surrogate recovery due to peak interference.

Parameter	Flag	MDL	Result	Units	RL
HMX		<0.359		µg/L	0.5
RDX		<0.441		µg/L	0.5
1,3,5-Trinitrobenzene		<0.304		µg/L	0.5
1,3-Dinitrobenzene		<0.356		µg/L	0.5
Tetryl		<0.390		µg/L	0.5
Nitrobenzene		<0.392		µg/L	0.5
TNT		<0.354		µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.327		µg/L	0.5
2,6-DNT / 2,4-DNT		<0.289		µg/L	0.5
2-NT		<0.367		µg/L	0.5
3-NT		<0.259		µg/L	0.5
4-NT		<0.261		µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.04	µg/L	1	2.50	82	10 - 165

**Method Blank (1)      QC Batch: 48359**

QC Batch: 48359                          Date Analyzed: 2008-05-13                          Analyzed By: DS  
 Prep Batch: 41587                          QC Preparation: 2008-04-09                          Prepared By: DS

Parameter	Flag	MDL	Result	Units	RL
HMX		<0.359		µg/L	0.5
RDX		<0.441		µg/L	0.5
1,3,5-Trinitrobenzene		<0.304		µg/L	0.5
1,3-Dinitrobenzene		<0.356		µg/L	0.5
Tetryl		<0.390		µg/L	0.5
Nitrobenzene		<0.392		µg/L	0.5
TNT		<0.354		µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.327		µg/L	0.5
2,6-DNT / 2,4-DNT		<0.289		µg/L	0.5
2-NT		<0.367		µg/L	0.5
3-NT		<0.259		µg/L	0.5
4-NT		<0.261		µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.02	µg/L	1	2.50	81	10 - 165

**Method Blank (1)** QC Batch: 48360

QC Batch: 48360 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41588 QC Preparation: 2008-04-16 Prepared By: DS

Parameter	Flag	MDL	Units	RL
HMX		<0.359	µg/L	0.5
RDX		<0.441	µg/L	0.5
1,3,5-Trinitrobenzene		<0.304	µg/L	0.5
1,3-Dinitrobenzene		<0.356	µg/L	0.5
Tetryl		<0.390	µg/L	0.5
Nitrobenzene		<0.392	µg/L	0.5
TNT		<0.354	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.327	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.289	µg/L	0.5
2-NT		<0.367	µg/L	0.5
3-NT		<0.259	µg/L	0.5
4-NT		<0.261	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.88	µg/L	1	2.50	75	10 - 165

**Method Blank (1)** QC Batch: 48361

QC Batch: 48361 Date Analyzed: 2008-05-14 Analyzed By: DS  
Prep Batch: 41589 QC Preparation: 2008-04-22 Prepared By: DS

Parameter	Flag	MDL	Units	RL
HMX		<0.359	µg/L	0.5
RDX		<0.441	µg/L	0.5
1,3,5-Trinitrobenzene		<0.304	µg/L	0.5
1,3-Dinitrobenzene		<0.356	µg/L	0.5
Tetryl		<0.390	µg/L	0.5
Nitrobenzene		<0.392	µg/L	0.5
TNT		<0.354	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.327	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.289	µg/L	0.5
2-NT		<0.367	µg/L	0.5
3-NT		<0.259	µg/L	0.5
4-NT		<0.261	µg/L	0.5

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.04	µg/L	1	2.50	82	10 - 165

#### Method Blank (1) QC Batch: 48362

QC Batch: 48362 Date Analyzed: 2008-05-14 Analyzed By: DS  
Prep Batch: 41590 QC Preparation: 2008-04-28 Prepared By: DS

Parameter	Flag	MDL	Result	Units	RL
HMX		<0.359	µg/L	0.5	
RDX		<0.441	µg/L	0.5	
1,3,5-Trinitrobenzene		<0.304	µg/L	0.5	
1,3-Dinitrobenzene		<0.356	µg/L	0.5	
Tetryl		<0.390	µg/L	0.5	
Nitrobenzene		<0.392	µg/L	0.5	
TNT		<0.354	µg/L	0.5	
4-amino-DNT / 2-amino-DNT		<0.327	µg/L	0.5	
2,6-DNT / 2,4-DNT		<0.289	µg/L	0.5	
2-NT		<0.367	µg/L	0.5	
3-NT		<0.259	µg/L	0.5	
4-NT		<0.261	µg/L	0.5	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.05	µg/L	1	2.50	82	10 - 165

#### Laboratory Control Spike (LCS-1)

QC Batch: 48358 Date Analyzed: 2008-05-13 Analyzed By: DS  
Prep Batch: 41586 QC Preparation: 2008-04-03 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.55	µg/L	1	2.50	<0.359	102	63.5 - 125
RDX	2.63	µg/L	1	2.50	<0.441	105	74.5 - 124
1,3,5-Trinitrobenzene	2.71	µg/L	1	2.50	<0.304	108	54.1 - 131
1,3-Dinitrobenzene	2.66	µg/L	1	2.50	<0.356	106	72 - 112
Tetryl	2.66	µg/L	1	2.50	<0.390	106	35.9 - 149
Nitrobenzene	2.56	µg/L	1	2.50	<0.392	102	72.5 - 126
TNT	2.65	µg/L	1	2.50	<0.354	106	40.7 - 129
4-amino-DNT / 2-amino-DNT	2.73	µg/L	1	2.50	<0.327	109	63 - 120
2,6-DNT / 2,4-DNT	2.64	µg/L	1	2.50	<0.289	106	58.2 - 137

continued ...

*control spikes continued . . .*

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-NT	2.60	μg/L	1	2.50	<0.367	104	49.8 - 139
3-NT	2.51	μg/L	1	2.50	<0.259	100	66.2 - 129
4-NT	2.56	μg/L	1	2.50	<0.261	102	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	2.69	μg/L	1	2.50	<0.359	108	63.5 - 125	5	20
RDX	2.70	μg/L	1	2.50	<0.441	108	74.5 - 124	3	20
1,3,5-Trinitrobenzene	2.66	μg/L	1	2.50	<0.304	106	54.1 - 131	2	20
1,3-Dinitrobenzene	2.59	μg/L	1	2.50	<0.356	104	72 - 112	3	20
Tetryl	2.83	μg/L	1	2.50	<0.390	113	35.9 - 149	6	20
Nitrobenzene	2.45	μg/L	1	2.50	<0.392	98	72.5 - 126	4	20
TNT	2.62	μg/L	1	2.50	<0.354	105	40.7 - 129	1	20
4-amino-DNT / 2-amino-DNT	2.78	μg/L	1	2.50	<0.327	111	63 - 120	2	20
2,6-DNT / 2,4-DNT	2.67	μg/L	1	2.50	<0.289	107	58.2 - 137	1	20
2-NT	2.58	μg/L	1	2.50	<0.367	103	49.8 - 139	1	20
3-NT	2.51	μg/L	1	2.50	<0.259	100	66.2 - 129	0	20
4-NT	2.60	μg/L	1	2.50	<0.261	104	56.3 - 141	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.80	2.76	μg/L	1	2.50	112	110	53 - 134

### Laboratory Control Spike (LCS-1)

QC Batch: 48359	Date Analyzed: 2008-05-13	Analyzed By: DS
Prep Batch: 41587	QC Preparation: 2008-04-09	Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.62	μg/L	1	2.50	<0.359	105	63.5 - 125
RDX	2.74	μg/L	1	2.50	<0.441	110	74.5 - 124
1,3,5-Trinitrobenzene	2.50	μg/L	1	2.50	<0.304	100	54.1 - 131
1,3-Dinitrobenzene	2.57	μg/L	1	2.50	<0.356	103	72 - 112
Tetryl	2.68	μg/L	1	2.50	<0.390	107	35.9 - 149
Nitrobenzene	2.44	μg/L	1	2.50	<0.392	98	72.5 - 126
TNT	2.53	μg/L	1	2.50	<0.354	101	40.7 - 129
4-amino-DNT / 2-amino-DNT	2.62	μg/L	1	2.50	<0.327	105	63 - 120
2,6-DNT / 2,4-DNT	2.57	μg/L	1	2.50	<0.289	103	58.2 - 137
2-NT	2.30	μg/L	1	2.50	<0.367	92	49.8 - 139

*continued . . .*

*control spikes continued . . .*

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
3-NT	2.39	μg/L	1	2.50	<0.259	96	66.2 - 129
4-NT	2.55	μg/L	1	2.50	<0.261	102	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	2.50	μg/L	1	2.50	<0.359	100	63.5 - 125	5	20
RDX	2.76	μg/L	1	2.50	<0.441	110	74.5 - 124	1	20
1,3,5-Trinitrobenzene	2.50	μg/L	1	2.50	<0.304	100	54.1 - 131	0	20
1,3-Dinitrobenzene	2.63	μg/L	1	2.50	<0.356	105	72 - 112	2	20
Tetryl	2.87	μg/L	1	2.50	<0.390	115	35.9 - 149	7	20
Nitrobenzene	2.44	μg/L	1	2.50	<0.392	98	72.5 - 126	0	20
TNT	2.57	μg/L	1	2.50	<0.354	103	40.7 - 129	2	20
4-amino-DNT / 2-amino-DNT	2.66	μg/L	1	2.50	<0.327	106	63 - 120	2	20
2,6-DNT / 2,4-DNT	2.62	μg/L	1	2.50	<0.289	105	58.2 - 137	2	20
2-NT	2.53	μg/L	1	2.50	<0.367	101	49.8 - 139	10	20
3-NT	2.38	μg/L	1	2.50	<0.259	95	66.2 - 129	0	20
4-NT	2.47	μg/L	1	2.50	<0.261	99	56.3 - 141	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.69	2.87	μg/L	1	2.50	108	115	53 - 134

**Laboratory Control Spike (LCS-1)**QC Batch: 48360                  Date Analyzed: 2008-05-13                  Analyzed By: DS  
Prep Batch: 41588                  QC Preparation: 2008-04-16                  Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.47	μg/L	1	2.50	<0.359	99	63.5 - 125
RDX	2.57	μg/L	1	2.50	<0.441	103	74.5 - 124
1,3,5-Trinitrobenzene	2.28	μg/L	1	2.50	<0.304	91	54.1 - 131
1,3-Dinitrobenzene	2.56	μg/L	1	2.50	<0.356	102	72 - 112
Tetryl	2.50	μg/L	1	2.50	<0.390	100	35.9 - 149
Nitrobenzene	2.48	μg/L	1	2.50	<0.392	99	72.5 - 126
TNT	2.59	μg/L	1	2.50	<0.354	104	40.7 - 129
4-amino-DNT / 2-amino-DNT	2.62	μg/L	1	2.50	<0.327	105	63 - 120
2,6-DNT / 2,4-DNT	2.57	μg/L	1	2.50	<0.289	103	58.2 - 137
2-NT	2.47	μg/L	1	2.50	<0.367	99	49.8 - 139
3-NT	2.45	μg/L	1	2.50	<0.259	98	66.2 - 129

*continued . . .*

*control spikes continued ...*

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
4-NT	2.56	µg/L	1	2.50	<0.261	102	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
HMX	2.43	µg/L	1	2.50	<0.359	97	63.5 - 125	2	20
RDX	2.68	µg/L	1	2.50	<0.441	107	74.5 - 124	4	20
1,3,5-Trinitrobenzene	2.59	µg/L	1	2.50	<0.304	104	54.1 - 131	13	20
1,3-Dinitrobenzene	2.56	µg/L	1	2.50	<0.356	102	72 - 112	0	20
Tetryl	2.69	µg/L	1	2.50	<0.390	108	35.9 - 149	7	20
Nitrobenzene	2.49	µg/L	1	2.50	<0.392	100	72.5 - 126	0	20
TNT	2.59	µg/L	1	2.50	<0.354	104	40.7 - 129	0	20
4-amino-DNT / 2-amino-DNT	2.63	µg/L	1	2.50	<0.327	105	63 - 120	0	20
2,6-DNT / 2,4-DNT	2.60	µg/L	1	2.50	<0.289	104	58.2 - 137	1	20
2-NT	2.64	µg/L	1	2.50	<0.367	106	49.8 - 139	7	20
3-NT	2.56	µg/L	1	2.50	<0.259	102	66.2 - 129	4	20
4-NT	2.62	µg/L	1	2.50	<0.261	105	56.3 - 141	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.91	2.71	µg/L	1	2.50	116	108	53 - 134

### Laboratory Control Spike (LCS-1)

QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS  
Prep Batch: 41589      QC Preparation: 2008-04-22      Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
HMX	2.68	µg/L	1	2.50	<0.359	107	63.5 - 125
RDX	2.92	µg/L	1	2.50	<0.441	117	74.5 - 124
1,3,5-Trinitrobenzene	2.48	µg/L	1	2.50	<0.304	99	54.1 - 131
1,3-Dinitrobenzene	2.64	µg/L	1	2.50	<0.356	106	72 - 112
Tetryl	2.43	µg/L	1	2.50	<0.390	97	35.9 - 149
Nitrobenzene	2.56	µg/L	1	2.50	<0.392	102	72.5 - 126
TNT	2.67	µg/L	1	2.50	<0.354	107	40.7 - 129
4-amino-DNT / 2-amino-DNT	2.68	µg/L	1	2.50	<0.327	107	63 - 120
2,6-DNT / 2,4-DNT	2.63	µg/L	1	2.50	<0.289	105	58.2 - 137
2-NT	2.62	µg/L	1	2.50	<0.367	105	49.8 - 139
3-NT	2.57	µg/L	1	2.50	<0.259	103	66.2 - 129
4-NT	2.70	µg/L	1	2.50	<0.261	108	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.



*control spikes continued . . .*

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Limit	RPD	RPD Limit
1,3,5-Trinitrobenzene	2.80	µg/L	1	2.50	<0.304	112	54.1 - 131	11	20
1,3-Dinitrobenzene	2.65	µg/L	1	2.50	<0.356	106	72 - 112	1	20
Tetryl	2.58	µg/L	1	2.50	<0.390	103	35.9 - 149	3	20
Nitrobenzene	2.53	µg/L	1	2.50	<0.392	101	72.5 - 126	4	20
TNT	2.68	µg/L	1	2.50	<0.354	107	40.7 - 129	2	20
4-amino-DNT / 2-amino-DNT	2.71	µg/L	1	2.50	<0.327	108	63 - 120	4	20
2,6-DNT / 2,4-DNT	2.69	µg/L	1	2.50	<0.289	108	58.2 - 137	4	20
2-NT	2.67	µg/L	1	2.50	<0.367	107	49.8 - 139	1	20
3-NT	2.61	µg/L	1	2.50	<0.259	104	66.2 - 129	3	20
4-NT	2.67	µg/L	1	2.50	<0.261	107	56.3 - 141	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.72	2.51	µg/L	1	2.50	109	100	53 - 134

#### Matrix Spike (MS-1)    Spiked Sample: 155892

QC Batch: 48359	Date Analyzed: 2008-05-13	Analyzed By: DS
Prep Batch: 41587	QC Preparation: 2008-04-09	Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
HMX	2.29	µg/L	1	2.50	<0.359	92	10 - 164
RDX	2.24	µg/L	1	2.50	<0.441	90	10 - 147
1,3,5-Trinitrobenzene	4.33	µg/L	1	2.50	<0.304	173	10 - 187
1,3-Dinitrobenzene	2.11	µg/L	1	2.50	<0.356	84	10 - 155
Tetryl	1.18	µg/L	1	2.50	<0.390	47	10 - 158
Nitrobenzene	2.14	µg/L	1	2.50	<0.392	86	10 - 156
TNT	2.68	µg/L	1	2.50	<0.354	107	21 - 114
4-amino-DNT / 2-amino-DNT	2.40	µg/L	1	2.50	<0.327	96	10 - 150
2,6-DNT / 2,4-DNT	3.26	µg/L	1	2.50	<0.289	130	21.3 - 150
2-NT	2.54	µg/L	1	2.50	<0.367	102	10 - 147
3-NT	2.23	µg/L	1	2.50	<0.259	89	10 - 167
4-NT	2.54	µg/L	1	2.50	<0.261	102	10 - 161

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	RPD	RPD Limit	
HMX	2.33	µg/L	1	2.50	<0.359	93	10 - 164	2	20
RDX	2.13	µg/L	1	2.50	<0.441	85	10 - 147	5	20

*continued . . .*



*matrix spikes continued . . .*

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Limit	RPD	RPD Limit
1,3,5-Trinitrobenzene	1.53	µg/L	1	2.50	<0.304	61	10 - 187	17	20
1,3-Dinitrobenzene	1.47	µg/L	1	2.50	<0.356	59	10 - 155	1	20
Tetryl	0.912	µg/L	1	2.50	<0.390	36	10 - 158	6	20
Nitrobenzene	1.15	µg/L	1	2.50	<0.392	46	10 - 156	17	20
TNT	1.62	µg/L	1	2.50	<0.354	65	21 - 114	11	20
4-amino-DNT / 2-amino-DNT	1.06	µg/L	1	2.50	<0.327	42	10 - 150	3	20
2,6-DNT / 2,4-DNT	1.49	µg/L	1	2.50	<0.289	60	21.3 - 150	1	20
2-NT	1.15	µg/L	1	2.50	<0.367	46	10 - 147	9	20
3-NT	1.22	µg/L	1	2.50	<0.259	49	10 - 167	13	20
4-NT	1.19	µg/L	1	2.50	<0.261	48	10 - 161	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.03	1.68	µg/L	1	2.5	81	67	10 - 222

### Standard (ICV-1)

QC Batch: 48358

Date Analyzed: 2008-05-13

Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	525	105	85 - 115	2008-05-13
RDX		µg/L	500	498	100	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	521	104	85 - 115	2008-05-13
Tetryl		µg/L	500	543	109	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	490	98	85 - 115	2008-05-13
TNT		µg/L	500	515	103	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	526	105	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	508	102	85 - 115	2008-05-13
2-NT		µg/L	500	523	105	85 - 115	2008-05-13
3-NT		µg/L	500	469	94	85 - 115	2008-05-13
4-NT		µg/L	500	522	104	85 - 115	2008-05-13

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		567	µg/L	1	500	113	85 - 115

### Standard (CCV-1)

QC Batch: 48358

Date Analyzed: 2008-05-13

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	515	103	85 - 115	2008-05-13
RDX		µg/L	500	537	107	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	509	102	85 - 115	2008-05-13
Tetryl		µg/L	500	568	114	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	488	98	85 - 115	2008-05-13
TNT		µg/L	500	490	98	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	506	101	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	501	100	85 - 115	2008-05-13
2-NT		µg/L	500	506	101	85 - 115	2008-05-13
3-NT		µg/L	500	474	95	85 - 115	2008-05-13
4-NT		µg/L	500	499	100	85 - 115	2008-05-13

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		553	µg/L	1	500	111	85 - 115

**Standard (ICV-1)**

QC Batch: 48359      Date Analyzed: 2008-05-13      Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	515	103	85 - 115	2008-05-13
RDX		µg/L	500	537	107	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	509	102	85 - 115	2008-05-13
Tetryl		µg/L	500	568	114	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	488	98	85 - 115	2008-05-13
TNT		µg/L	500	490	98	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	506	101	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	501	100	85 - 115	2008-05-13
2-NT		µg/L	500	506	101	85 - 115	2008-05-13
3-NT		µg/L	500	474	95	85 - 115	2008-05-13
4-NT		µg/L	500	500	100	85 - 115	2008-05-13

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		553	µg/L	1	500	111	85 - 115

**Standard (CCV-1)**

QC Batch: 48359      Date Analyzed: 2008-05-13      Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	539	108	85 - 115	2008-05-13
RDX		µg/L	500	525	105	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	481	96	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-13
Tetryl		µg/L	500	521	104	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	513	103	85 - 115	2008-05-13
TNT		µg/L	500	507	101	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	488	98	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	492	98	85 - 115	2008-05-13
2-NT		µg/L	500	535	107	85 - 115	2008-05-13
3-NT		µg/L	500	521	104	85 - 115	2008-05-13
4-NT		µg/L	500	490	98	85 - 115	2008-05-13

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		564	µg/L	1	500	113	85 - 115

### Standard (ICV-1)

QC Batch: 48360                  Date Analyzed: 2008-05-13                  Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	539	108	85 - 115	2008-05-13
RDX		µg/L	500	525	105	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	481	96	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-13
Tetryl		µg/L	500	521	104	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	513	103	85 - 115	2008-05-13
TNT		µg/L	500	507	101	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	488	98	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	492	98	85 - 115	2008-05-13
2-NT		µg/L	500	535	107	85 - 115	2008-05-13
3-NT		µg/L	500	521	104	85 - 115	2008-05-13
4-NT		µg/L	500	490	98	85 - 115	2008-05-13

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		564	µg/L	1	500	113	85 - 115

### Standard (CCV-1)

QC Batch: 48360                  Date Analyzed: 2008-05-13                  Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	534	107	85 - 115	2008-05-13
RDX		µg/L	500	534	107	85 - 115	2008-05-13
1,3,5-Trinitrobenzene		µg/L	500	541	108	85 - 115	2008-05-13
1,3-Dinitrobenzene		µg/L	500	522	104	85 - 115	2008-05-13
Tetryl		µg/L	500	489	98	85 - 115	2008-05-13
Nitrobenzene		µg/L	500	516	103	85 - 115	2008-05-13
TNT		µg/L	500	530	106	85 - 115	2008-05-13
4-amino-DNT / 2-amino-DNT		µg/L	500	535	107	85 - 115	2008-05-13
2,6-DNT / 2,4-DNT		µg/L	500	527	105	85 - 115	2008-05-13
2-NT		µg/L	500	528	106	85 - 115	2008-05-13
3-NT		µg/L	500	464	93	85 - 115	2008-05-13
4-NT		µg/L	500	511	102	85 - 115	2008-05-13

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		512	µg/L	1	500	102	85 - 115

**Standard (ICV-1)**

QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	539	108	85 - 115	2008-05-14
RDX		µg/L	500	525	105	85 - 115	2008-05-14
1,3,5-Trinitrobenzene		µg/L	500	481	96	85 - 115	2008-05-14
1,3-Dinitrobenzene		µg/L	500	506	101	85 - 115	2008-05-14
Tetryl		µg/L	500	521	104	85 - 115	2008-05-14
Nitrobenzene		µg/L	500	513	103	85 - 115	2008-05-14
TNT		µg/L	500	507	101	85 - 115	2008-05-14
4-amino-DNT / 2-amino-DNT		µg/L	500	488	98	85 - 115	2008-05-14
2,6-DNT / 2,4-DNT		µg/L	500	492	98	85 - 115	2008-05-14
2-NT		µg/L	500	535	107	85 - 115	2008-05-14
3-NT		µg/L	500	521	104	85 - 115	2008-05-14
4-NT		µg/L	500	490	98	85 - 115	2008-05-14

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		564	µg/L	1	500	113	85 - 115

**Standard (CCV-1)**

QC Batch: 48361      Date Analyzed: 2008-05-14      Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	534	107	85 - 115	2008-05-14
RDX		µg/L	500	534	107	85 - 115	2008-05-14
1,3,5-Trinitrobenzene		µg/L	500	541	108	85 - 115	2008-05-14
1,3-Dinitrobenzene		µg/L	500	522	104	85 - 115	2008-05-14
Tetryl		µg/L	500	489	98	85 - 115	2008-05-14
Nitrobenzene		µg/L	500	516	103	85 - 115	2008-05-14
TNT		µg/L	500	530	106	85 - 115	2008-05-14
4-amino-DNT / 2-amino-DNT		µg/L	500	535	107	85 - 115	2008-05-14
2,6-DNT / 2,4-DNT		µg/L	500	527	105	85 - 115	2008-05-14
2-NT		µg/L	500	528	106	85 - 115	2008-05-14
3-NT		µg/L	500	464	93	85 - 115	2008-05-14
4-NT		µg/L	500	511	102	85 - 115	2008-05-14

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		512	µg/L	1	500	102	85 - 115

### Standard (ICV-1)

QC Batch: 48362      Date Analyzed: 2008-05-14      Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	534	107	85 - 115	2008-05-14
RDX		µg/L	500	534	107	85 - 115	2008-05-14
1,3,5-Trinitrobenzene		µg/L	500	541	108	85 - 115	2008-05-14
1,3-Dinitrobenzene		µg/L	500	522	104	85 - 115	2008-05-14
Tetryl		µg/L	500	489	98	85 - 115	2008-05-14
Nitrobenzene		µg/L	500	516	103	85 - 115	2008-05-14
TNT		µg/L	500	530	106	85 - 115	2008-05-14
4-amino-DNT / 2-amino-DNT		µg/L	500	535	107	85 - 115	2008-05-14
2,6-DNT / 2,4-DNT		µg/L	500	527	105	85 - 115	2008-05-14
2-NT		µg/L	500	528	106	85 - 115	2008-05-14
3-NT		µg/L	500	464	93	85 - 115	2008-05-14
4-NT		µg/L	500	511	102	85 - 115	2008-05-14

  

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		512	µg/L	1	500	102	85 - 115

### Standard (CCV-1)

QC Batch: 48362      Date Analyzed: 2008-05-14      Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	464	93	85 - 115	2008-05-14
RDX		µg/L	500	508	102	85 - 115	2008-05-14
1,3,5-Trinitrobenzene		µg/L	500	565	113	85 - 115	2008-05-14
1,3-Dinitrobenzene		µg/L	500	493	99	85 - 115	2008-05-14
Tetryl		µg/L	500	471	94	85 - 115	2008-05-14
Nitrobenzene		µg/L	500	458	92	85 - 115	2008-05-14
TNT		µg/L	500	461	92	85 - 115	2008-05-14
4-amino-DNT / 2-amino-DNT		µg/L	500	499	100	85 - 115	2008-05-14
2,6-DNT / 2,4-DNT		µg/L	500	487	97	85 - 115	2008-05-14
2-NT		µg/L	500	506	101	85 - 115	2008-05-14
3-NT		µg/L	500	455	91	85 - 115	2008-05-14
4-NT		µg/L	500	517	103	85 - 115	2008-05-14
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		526	µg/L	1	500	105	85 - 115